

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-15. (cancelled)

16. (Currently amended) A method for diagnosing rheumatoid arthritis in a subject, the method comprising:

- a) obtaining one or more biological samples from the subject;
- b) determining the level of a one or more markers in the one or more biological samples, wherein at least one of the one or more markers is a marker selected from the group consisting of:

a polypeptide marker identified as “hypothetical protein DKFZp434P1818.1 - human (fragment)” and represented by SEQ ID NO:396;

a polypeptide marker identified as “similar to KIAA1902 protein [Homo sapiens]” and represented by SEQ ID NO:397;

a polypeptide marker identified as “leucine-rich alpha-2-glycoprotein [Homo sapiens]” and represented by SEQ ID NO:398;

a polypeptide marker identified as “gelsolin (amyloidosis, Finnish type) Gelsolin [Homo sapiens]” and represented by SEQ ID NO:399; and

a polypeptide marker identified as “lumican [Homo sapiens]” and represented by SEQ ID NO:400; and

- c) comparing the level of at least one of the plurality of markers to a reference value from a healthy control.

17. (cancelled)

18. (Original) The method of claim 16, wherein the biological sample is a body fluid.

19. (Original) The method of claim 18, wherein the body fluid is selected from the group consisting of blood, serum, plasma, synovial fluid, urine, and saliva.

20. (Currently amended) The method of claim 16, wherein at least two of the plurality of markers are a marker selected from the group consisting of:

a polypeptide marker identified as “hypothetical protein DKFZp434P1818.1 - human (fragment)” and represented by SEQ ID NO:396;

a polypeptide marker identified as “similar to KIAA1902 protein [Homo sapiens]” and represented by SEQ ID NO:397;

a polypeptide marker identified as “leucine-rich alpha-2-glycoprotein [Homo sapiens]” and represented by SEQ ID NO:398;

a polypeptide marker identified as “gelsolin (amyloidosis, Finnish type) Gelsolin [Homo sapiens]” and represented by SEQ ID NO:399; and

a polypeptide marker identified as “lumican [Homo sapiens]” and represented by SEQ ID NO:400.

21. (Cancelled)

22. (Currently amended) The method of claim 16, wherein at least four of the plurality of markers are a marker selected from the group consisting of:

a polypeptide marker identified as “hypothetical protein DKFZp434P1818.1 - human (fragment)” and represented by SEQ ID NO:396;

a polypeptide marker identified as “similar to KIAA1902 protein [Homo sapiens]” and represented by SEQ ID NO:397;

a polypeptide marker identified as “leucine-rich alpha-2-glycoprotein [Homo sapiens]” and represented by SEQ ID NO:398;

a polypeptide marker identified as “gelsolin (amyloidosis, Finnish type) Gelsolin [Homo sapiens]” and represented by SEQ ID NO:399; and

a polypeptide marker identified as “lumican [Homo sapiens]” and represented by SEQ ID NO:400.

23. (cancelled)

24. (Previously presented) The method of claim 16, wherein the reference value is the level of at least one of the plurality of markers in at least one sample from a non-

rheumatoid arthritis subject, and wherein the level of the at least one of the plurality of markers is increased by at least one fold with respect to the reference value.

25. (Previously presented) The method of claim 24, wherein the level of the at least one of the plurality of markers is increased by at least two fold with respect to the reference value.
- 26-28. (cancelled)
29. (Currently amended) The method of claim 16, wherein the level of the at least two of the plurality of markers is indicative of differential expression in rheumatoid arthritis.
- 30-52. (cancelled)
53. (cancelled)
54. (Currently amended) The method of claim 16, wherein at least one of the plurality of markers is “hypothetical protein DKFZp434P1818.1 - human (fragment)” represented by SEQ ID NO:396.
55. (Currently amended) The method of claim 16, wherein at least one of the plurality of markers is polypeptide “similar to KIAA1902 protein [Homo sapiens]” represented by SEQ ID NO:397.
56. (Currently amended) The method of claim 16, wherein at least one of the plurality of markers is “leucine-rich alpha-2-glycoprotein [Homo sapiens]” represented by SEQ ID NO:398.
57. (Currently amended) The method of claim 16, wherein at least one of the plurality of markers is “gelsolin (amyloidosis, Finnish type) Gelsolin [Homo sapiens]” represented by SEQ ID NO:399.
58. (Currently amended) The method of claim 16, wherein at least one of the plurality of markers is “lumican [Homo sapiens]” represented by SEQ ID NO:400.